

**REMARKS**

Claim 5 is pending in this application. Claim 5 stands rejected. In light of the remarks set forth below, Applicant respectfully submits claim 5 is in immediate condition for allowance.

Claim 5 stands rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 4,731,851 (“Christopher”). Applicant respectfully requests reconsideration and withdrawal of this rejection.

To anticipate a claim under 35 U.S.C. § 102, the cited reference must disclose every element of the claim, as arranged in the claim, and in sufficient detail to enable one skilled in the art to make and use the anticipated subject matter. See, PPG Industries, Inc. v. Guardian Industries Corp., 75 F.3d 1558, 1566 (Fed. Cir. 1996); C.R. Bard, Inc. v. M3 Sys., Inc., 157 F.3d 1340, 1349 (Fed. Cir. 1998). A reference that does not expressly disclose all of the elements of a claimed invention cannot anticipate unless all of the undisclosed elements are inherently present in the reference. See, Continental Can Co. USA v. Monsanto Co., 942 F.2d 1264, 1268 (Fed. Cir. 1991).

Among the limitations of independent claim 5 not present in the cited reference is a plurality of signal lines arranged parallel to each other for producing in advance signals that are shifted a number of bits necessary for operating on said input signal.

In Christopher, as shown in Figure 6, a signal 500 is input into coarse gain barrel shifter 501, which shifts the bit significance of the sample bits to effect

multiplication or division by powers of 2. The output of the barrel shifter is then input into weighing circuits 504, 506, and 508 which scale the signal provided by the coarse gain block. However, each of the signal lines is not shifted as recited in Applicant's claim. As such, Christopher fails to anticipate Applicant's explicitly claimed invention.

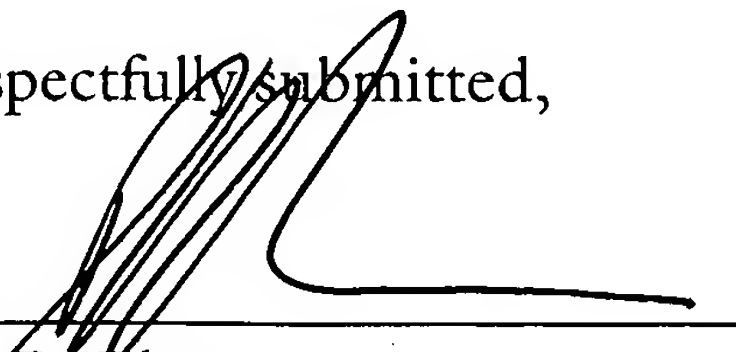
Applicant has responded to all of the rejections and objections recited in the Office Action. Reconsideration and a Notice of Allowance for all of the pending claims are therefore respectfully requested.

In view of the above, each of the presently pending claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejection of the claims and to pass this application to issue.

If the Examiner believes an interview would be of assistance, the Examiner is welcome to contact the undersigned at the number listed below.

Dated: September 14, 2004

Respectfully submitted,

By   
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